

# NIOSH PPT/NPPTL

## Vision & Mission

The **VISION** is to be the leading provider of quality, relevant, and timely PPT research, training, and evaluation.

The **MISSION** of the PPT program is to prevent work-related injury, illness and death by advancing the state of knowledge and application of personal protective technologies (PPT).



PPT in this context is defined as the technical methods, processes, techniques, tools, and materials that support the development and use of personal protective equipment worn by individuals to reduce the effects of their exposure to a hazard.

# National Institute for Occupational Safety and Health (NIOSH)

## Personal Protective Technology Program (PPT)

### Welcome & Meeting Overview



Les Boord  
Director  
NPPTL  
Pittsburgh, PA 15236

March 6, 2008



# Stakeholder Meeting Objective

To facilitate stakeholder communications by:

- Sharing project information
- Encouraging information exchange
- Obtaining program comment
- Requesting program evaluation  
(Customer Satisfaction Survey)

# Meeting Format

- NIOSH PPT Program Presentations
- NIOSH PPT Program Posters
- Stakeholder Comment Station
- PPT Program Customer Satisfaction Survey Station

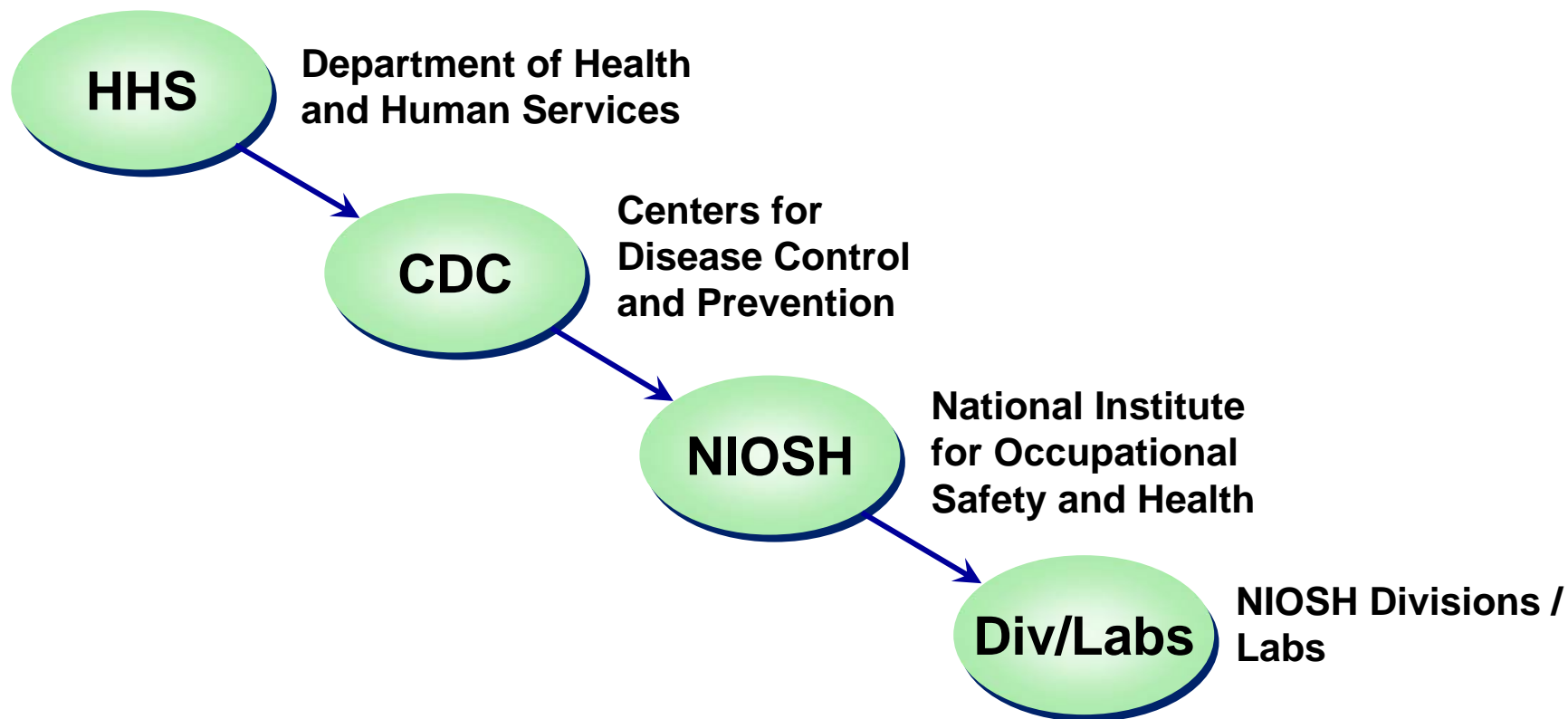
# Meeting Agenda

- 7:45 – 8:30 a.m. Registration
- 8:30 – 9:00 a.m. Welcome and Opening Remarks
- 9:00 – 9:45 a.m. PPT Presentations - Reduce Exposure to Injury Hazards
- 9:45 – 10:30 a.m. PPT Presentations – Reduce Exposure to Dermal Hazards
- 10:30 – 10:45 a.m. Break**
- 10:45 – 12:00 p.m. Science Strategy/Action Plans
- 12:00 – 1:30 p.m. Lunch/Poster Sessions**
- 1:30 – 2:30 p.m. PPT Presentations – Reduce Exposure to Inhalation Hazards
- 2:30 – 3:30 p.m. Poster Session**
- 3:30 – 4:00 p.m. PPT Program Strategy/Office of Extramural Programs
- 4:00 – 5:00 p.m. Wrap-Up/Poster Session

# NIOSH Office of the Director

**Dr. Lew Wade**

# Agency Hierarchy



# NIOSH Divisions & Laboratories



- Office of the Director, NIOSH
- Office of Extramural Programs
- Pittsburgh Research Laboratory (PRL)
- National Personal Protective Technology Laboratory (NPPTL)

- Division of Respiratory Disease Studies (DRDS)
- Division of Safety Research (DSR)
- Health Effects Laboratory Division (HELD)
- Education and Information Division (EID)
- Division of Applied Research and Technology (DART)
- Division of Surveillance Hazard Evaluation and Field Studies (DSHEFS)
- Office of Compensation Analysis and Support (OCAS)
- Research to Practice (r2p)
- Spokane Research Laboratory



# NIOSH Program Portfolio

Industry Sectors (N=8)	Cross Sector Programs (N=24)	
<ul style="list-style-type: none"> <li>• Agriculture, forestry, and fishing</li> <li>• Construction</li> <li>• Healthcare and social assistance</li> <li>• Mining</li> <li>• Manufacturing</li> <li>• Services</li> <li>• Transportation, warehousing, and utilities</li> <li>• Wholesale and retail trade</li> </ul>	<ul style="list-style-type: none"> <li>• Authoritative recommendations development</li> <li>• Cancer, reproductive, cardiovascular, neurological &amp; renal diseases</li> <li>• Communications and information dissemination</li> <li>• Emergency preparedness/response</li> <li>• Global collaborations</li> <li>• Health hazard evaluation (HHE)</li> <li>• Hearing loss prevention</li> <li>• Immune, dermal and infectious diseases</li> <li>• Musculoskeletal disorders</li> <li>• Personal protective technology</li> </ul>	<ul style="list-style-type: none"> <li>• Radiation dose deconstruction</li> <li>• Respiratory diseases</li> <li>• Training grants</li> <li>• Traumatic injury</li> <li>• Work organization and stress-related disorders</li> <li>• Economics</li> <li>• Exposure assessment</li> <li>• Engineering controls</li> <li>• Work life initiative</li> <li>• Occupational health disparities</li> <li>• Small business assistance and outreach</li> <li>• Surveillance</li> <li>• Nanotechnology</li> <li>• Prevention through design</li> </ul>

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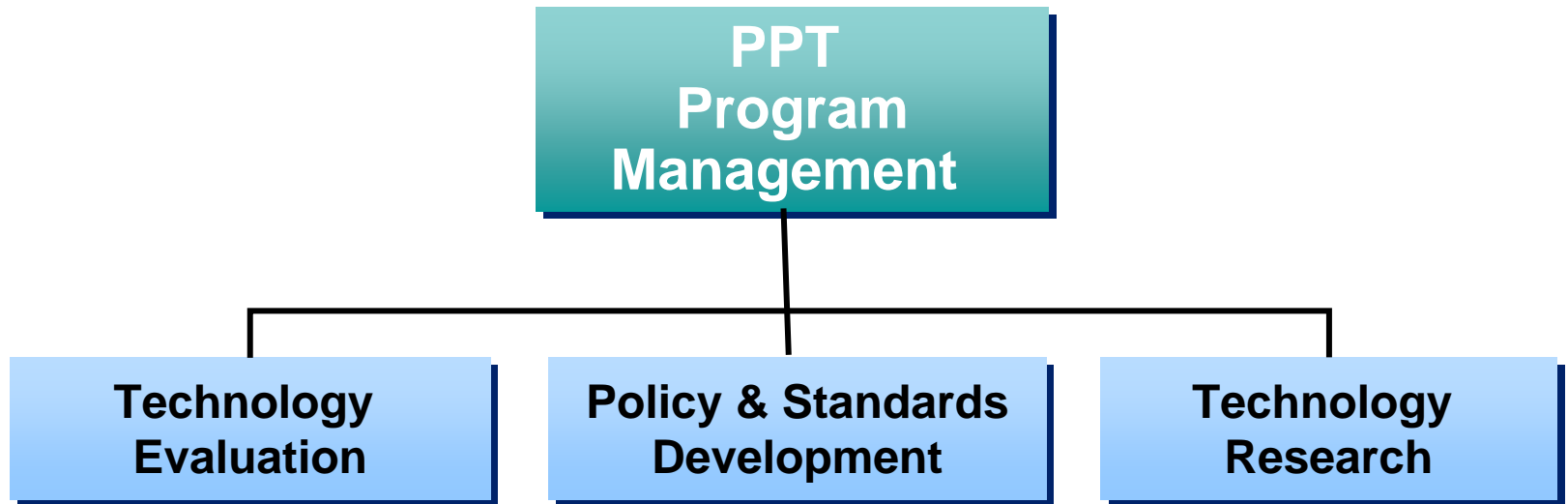
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# PPT Program

## Goals/Objectives/Tactics

- **Strategic Goal 1**
  - Reduce Exposure to Inhalation Hazards
- **Strategic Goal 2**
  - Reduce Exposure to Dermal Hazards
- **Strategic Goal 3**
  - Reduce Exposure to Injury Hazards
- **Intermediate Objectives**
  - Goal 1 → 8 Objectives
  - Goal 2 → 3 Objectives
  - Goal 3 → 8 Objectives
- **Tactics**
  - Comprehensive research
  - PPT standards development
  - Respirator certification and PPT evaluation activities
  - r2p → communications & outreach

# PPT Program Activities



# PPT Program Activities vs S.G. Goals



# Achieving Performance Excellence (APEX)

- Initiative for Continuous Improvement
- Malcolm Baldrige Criteria – 7 Categories
  - Leadership
  - Strategic Planning
  - Customer / Market Focus
  - Measurement / Analysis / Knowledge Mgmt
  - Human Resource Focus
  - Process Management
  - Business Result

# Quality Performance Initiatives

**ADS: Maryann D'Alessandro**

- **Evaluations**

- *National Academies involvement in NPPTL*
- Scientific information product review
- *Benchmarking*

THE NATIONAL ACADEMIES  
*Advisers to the Nation on Science, Engineering, and Medicine*

- **Customer and Market Knowledge**

- *Standards Development Committee Involvement*
- *PPT Surveillance*
- Public meetings and feedback
- *Customer Satisfaction Groups (Focus Groups)*



**AIHA**  
*Your Essential Connection*  
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION

- **Customer Relationships and Satisfaction**

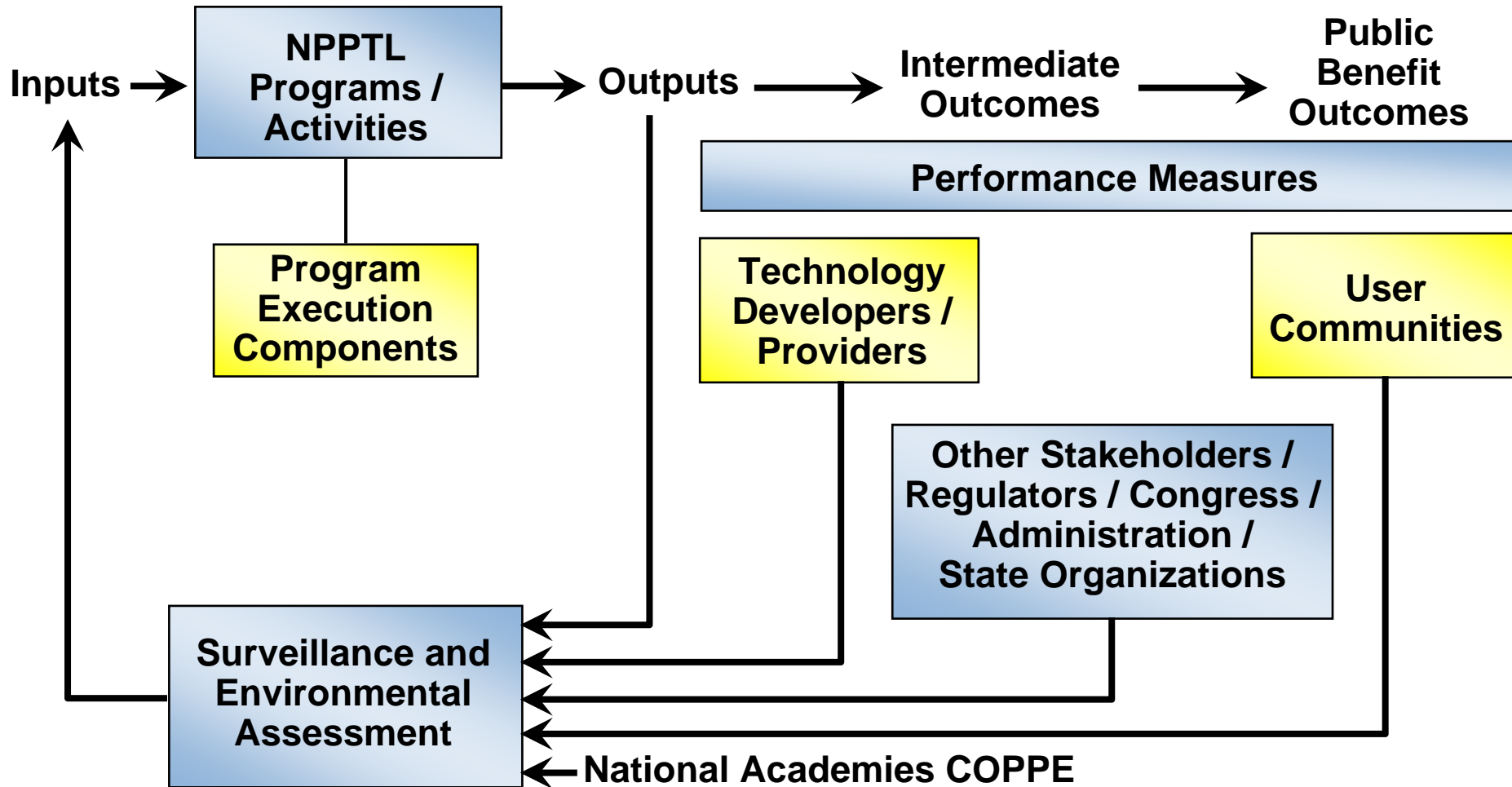
- Customer Satisfaction Surveys (CSS)
- *Direct Customer involvement*



Academia - SDOs - Government Laboratories – Unions – Labor - Manufacturers

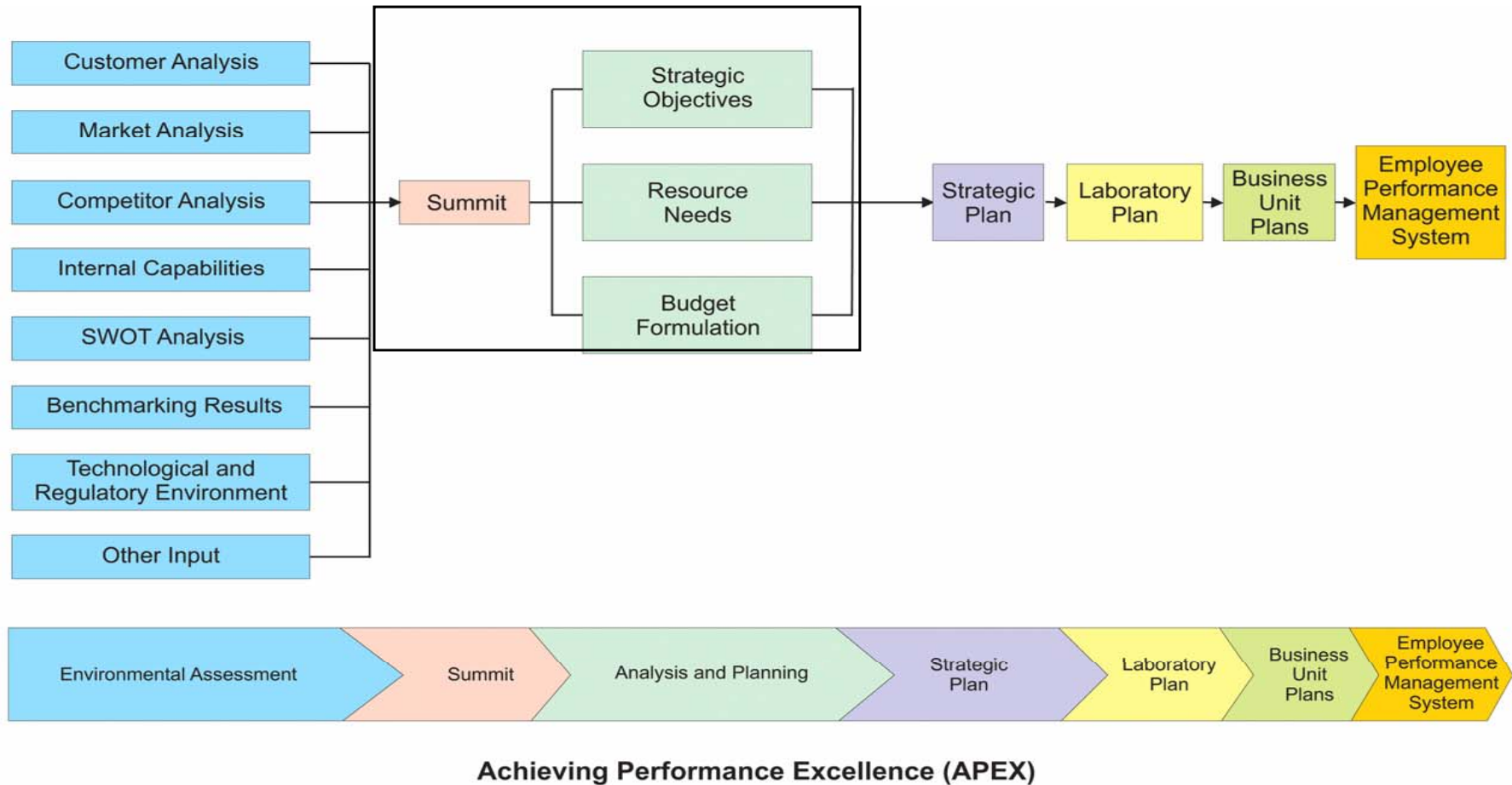


# Strategic Value Creation System





# PPT Program Annual Strategic Planning Process



# Meeting Agenda

**7:45 – 8:30 a.m.**

**Registration**

**8:30 – 9:00 a.m.**

**Welcome and Opening Remarks**

**9:00 – 9:45 a.m.**

**PPT Presentations - Reduce Exposure to Injury Hazards**

Warning Devices for Fire Service

Fall Protection

Hearing Protection

**9:45 – 10:30 a.m.**

**PPT Presentations – Reduce Exposure to Dermal Hazards**

Chemical Dermal Hazards

Emergency Responders Protective Clothing

Physiological and Ergonomic Impact

**10:30 – 10:45 a.m.**

**Break**

**10:45 – 12:00 p.m.**

**Science Strategy/Action Plans**

PPT Evaluations

PPT Surveillance

Healthcare PPE /Pandemic Preparedness

Anthropometrics and Fit Research

**12:00 – 1:30 p.m.**

**Lunch/Poster Sessions**

**1:30 – 2:30 p.m.**

**PPT Presentations – Reduce Exposure to Inhalation Hazards**

Respirator Certification

Mine Escape Respirators

Standards Development Activities

CBRN Guidance Documents

Respiratory Protection Research

**2:30 – 3:30 p.m.**

**Poster Session**

**3:30 – 4:00 p.m.**

**PPT Program Strategy/Office of Extramural Programs**

**4:00 – 5:00 p.m.**

**Wrap-Up/Poster Session**

# PPT Presentations

## Reduce Exposure to Injury Hazards

Roland Berry Ann

# NIOSH PPT/NPPTL

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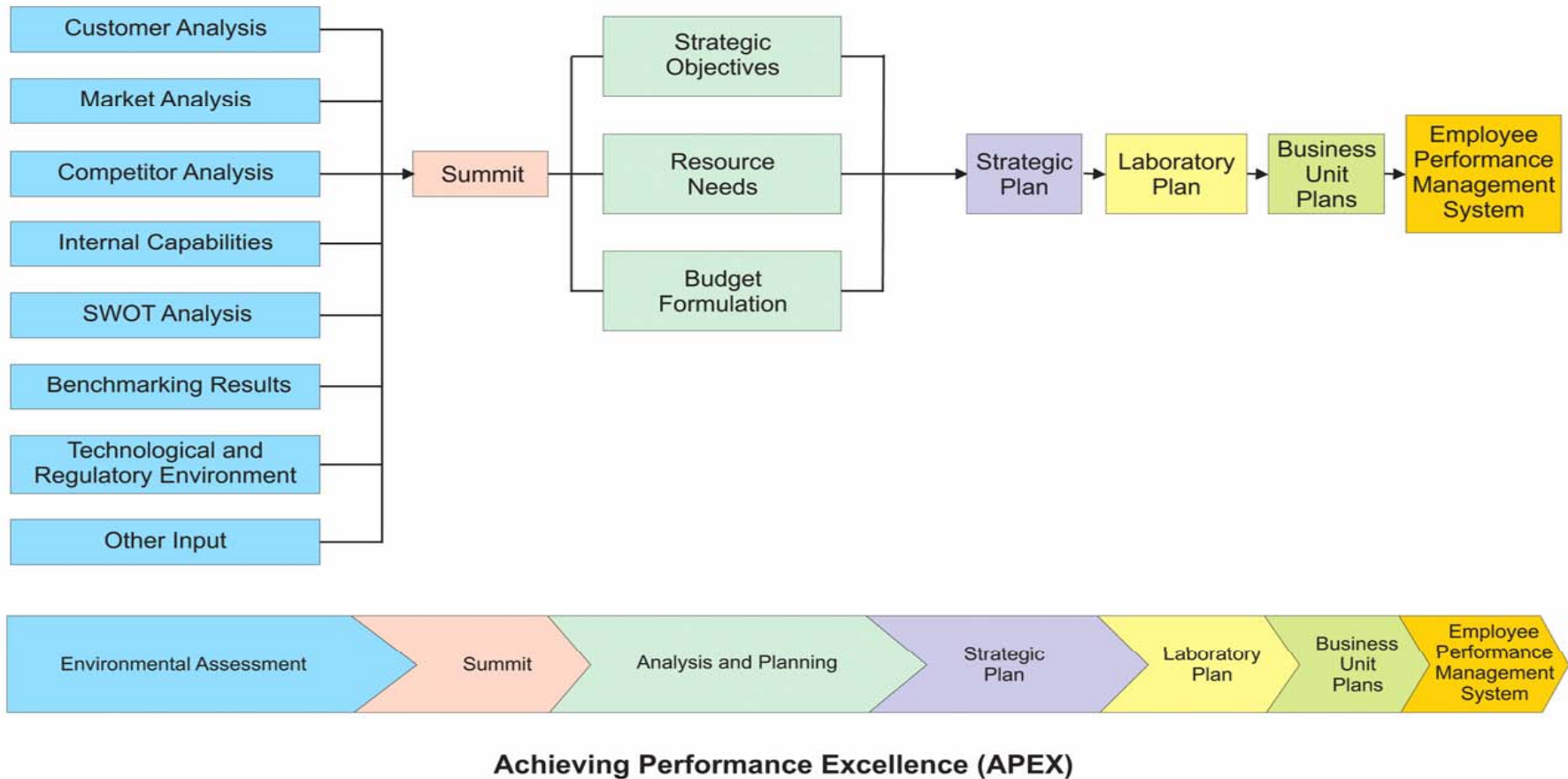


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# FY'09 PPT Program Strategic Planning

Les Boord

# PPT Program Annual Strategic Planning Process



# PPT Strategic Planning Process

- Stakeholder meeting March 6, 2008
- Mid-year review of active projects (internal)
  - April 8,9 & 10
  - Report on status & projection
- Annual Summit Meeting
  - Environmental assessment
    - COPPE
    - Evaluations
    - OPM Survey
    - Stakeholder meeting
    - Other
  - Information from mid-year review reports
- Resource allocations

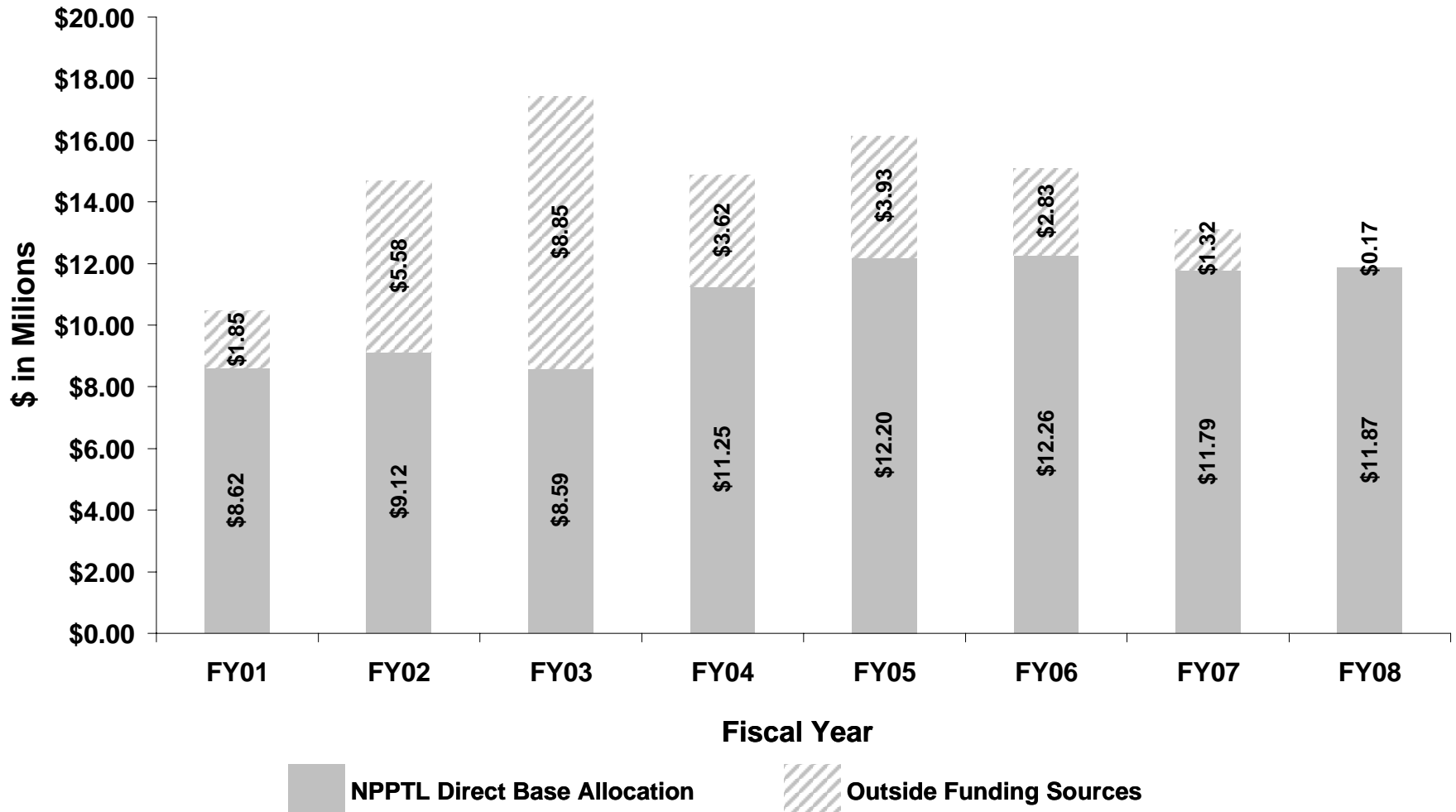
# Program Resource Allocation Guidelines

- **Evaluations (Cost of Quality 3% to 8% Norm) :**
  - NAS → COPPE, Project Reviews
  - OPM → Organizational Assessment Survey
  - Other Reviews → Peer Review Activities
  
- **r2p (3% to 5% of base budget) :**
  - Outreach → Conferences, Workshops ...
  - Standards Development Activities → SDOs
  - Stakeholder Meeting → Today
  
- **Respirator Certification**
  - Audit & Continuing Programs





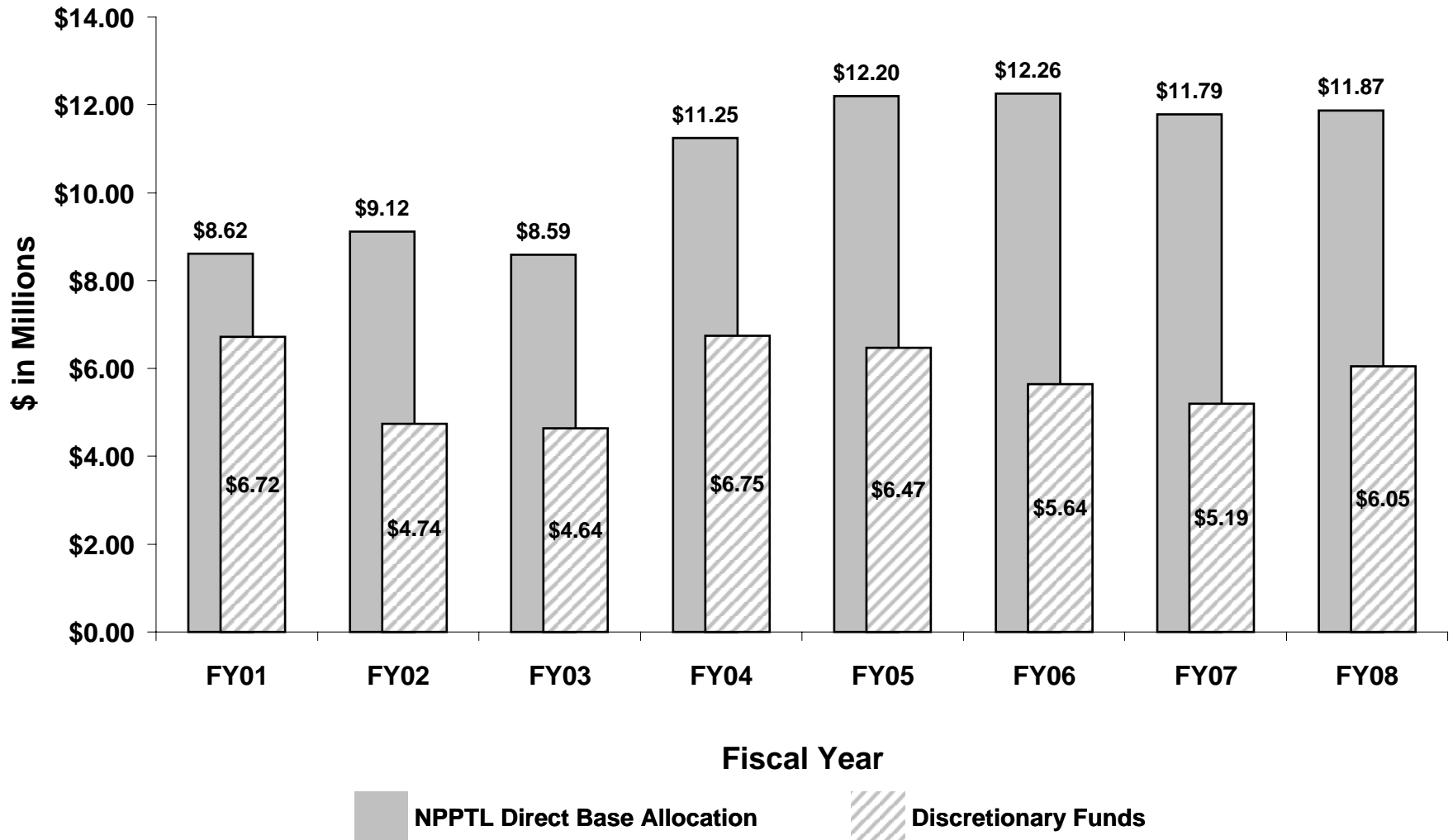
# PPT Program Production Input Funding Distribution (in Millions of \$)



Total Funding Allocation FY01 -FY08 = \$113.83 Million

# NPPTL

## Discretionary Funding (in Millions of \$)



# Meeting Format

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# Stakeholder Meeting Objective

To facilitate stakeholder communications by:

- Sharing project information
- Encouraging information exchange
- Obtaining program comment
- Requesting program evaluation  
(Customer Satisfaction Survey)

**YOUR participation is important to the PPT  
Program strategic planning**

- Visit Project Posters
- Provide Program Comment
- Complete Customer Satisfaction Survey
- Complete Stakeholder Meeting Evaluation Form

# NIOSH NPPTL/PPT Program



Visit Us at: <http://www.cdc.gov/niosh/npptl/default.html>

***Disclaimer: The findings and conclusions in this presentation have not been formally disseminated by the National Institute for Occupational Safety and Health and should not be construed to represent any agency determination or policy.***

## Thank you